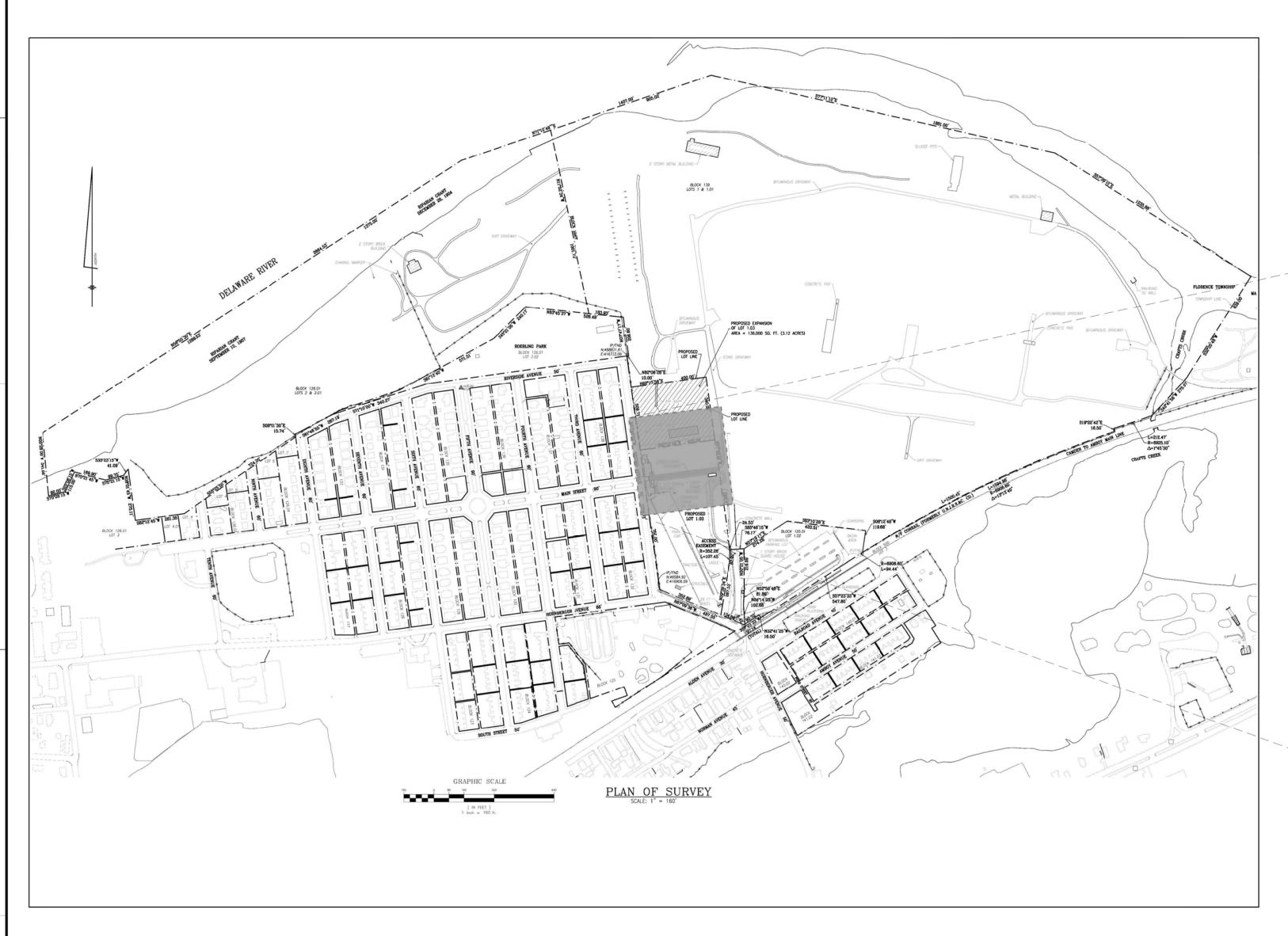
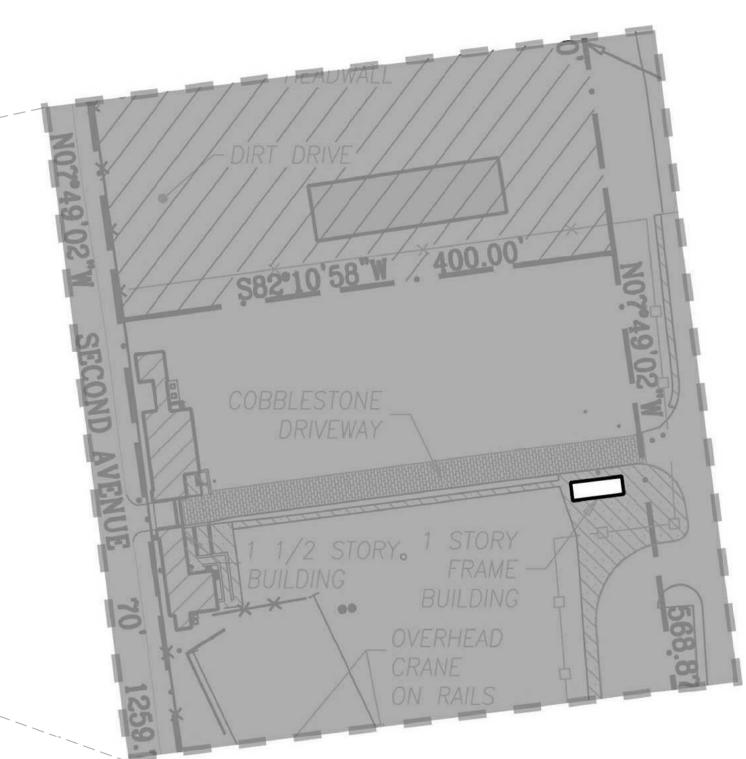
US Army Corps of Engineers®
KANSAS CITY DISTRICT

ROEBLING STEEL SUPERFUND SITE

OPERABLE UNIT 4 - BUILDING 47, THE TIME OFFICE BUILDING REMEDIAL DESIGN





SOLICITATION NO:

CONTRACT NO: W912DQ-D-15-3011

ISSUE DATE: SEPTEMBER, 2021

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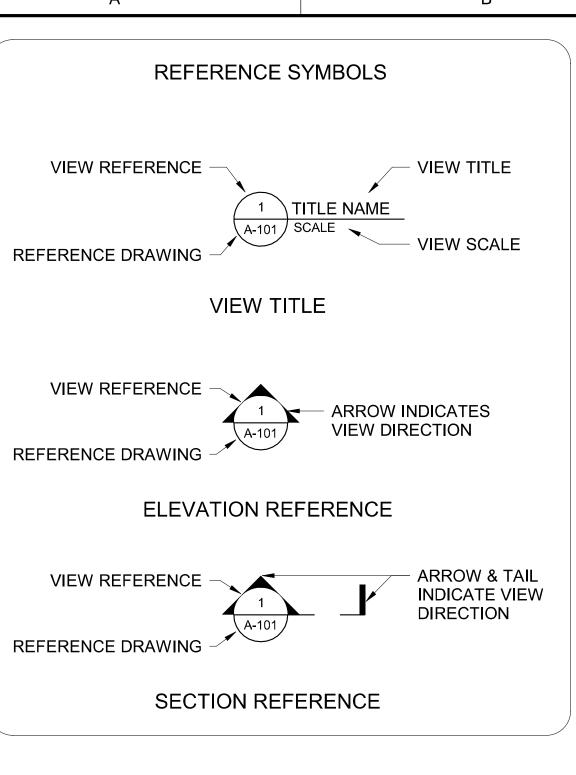
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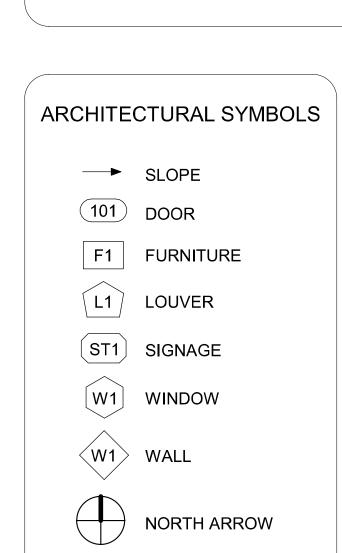
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ARCHITECTURAL ABBREVIATIONS

- % PERCENT & AND
- @ AT~ APPROXIMATELY°F DEGREES FAHRENHEIT
- ACT ACOUSTIC CEILING TILE
 AFF ABOVE FINISH FLOOR
- AL ALUMINUM

 ANSI AMERICAN NATIONAL STANDARD INSTITUTE
- APPROX APPROXIMATELY
- ASHRAE AMERICAN SOCIETY OF HEATING, REFRIGERATION,
 - AND AIR CONDITIONING ENGINEERS
- B.O. BOTTOM OF BOARD
- CLR CLEAR, CLEARANCE
 CONC CONCRETE
 CT CERAMIC TILE
- DIST DISTANCE
 DS DOWNSPOUT
 DWG DRAWING
- E EAST
- EC ELECTRICAL CONTRACTOR
- EL ELEVATION
 ELEC ELECTRICAL
- EOR ENGINEER OF RECORD
- EQ EQUAL
 EQUIP EQUIPMENT
- EXT EXTERIOR
- GL GLASS
 GYP GYPSUM BOARD
- HP HIGH POINT
- IBC INTERNATIONAL BUILDING C
- IBC INTERNATIONAL BUILDING CODE ICC INTERNATIONAL CODE COUNCIL
- INSUL INSULATE, INSULATION
- JT JOINT

HR

- LP LOW POINT
- MAX MAXIMUM
 MECH MECHANICAL
 MFR MANUFACTURER
 MIN MINIMUM
 MTL METAL
- N NORTH
- N/A NOT APPLICABLE
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- NTS NOT TO SCALE
- PLC POLISHED CONCRETE
- PT PAINTED
- RO ROUGH OPENING
- S SOUTH
- SC SEALED CONCRETE
 SCH SCHEDULE
- SF SQUARE FEET
 SQ FT SQUARE FOOT / FEET
- STL STEEL
- STRUCT STRUCTURAL
- SYS SYSTEM
- T.O. TOP OF
- TBD TO BE DETERMINED
- TYP TYPICAL
- UNO UNLESS NOTED OTHERWISE
 USACE US ARMY CORPS OF ENGINEERS
- W WEST W/ WITH

GENERAL NOTES:

1. BUILDING 47, THE TIME OFFICE BUILDING, IS ELIGIBLE FOR A HISTORIC BUILDING DESIGNATION ON THE NATIONAL REGISTER AS PART OF THE ROEBLING HISTORIC DISTRICT, FLORENCE TOWNSHIP, BURLINGTON COUNTY, STATE OF NEW JERSEY. AS SUCH, ALL PROCEDURES, WORK, MATERIALS, AND TECHNIQUES WILL CORRESPOND TO ESTABLISHED REHABILITATION REQUIREMENTS, PRINCIPLES, AND PRACTICES.

G

- 2. VERIFY ALL DIMENSIONS, MATERIALS, AND CONDITIONS IN FIELD. NOTIFY DEPARTMENT OF THE ARMY, KANSAS CITY DISTRICT, CORPS OF ENGINEERS' REPRESENTATIVE IMMEDIATELY OF ANY MAJOR DISCREPANCIES FROM THAT INDICATED, DEPICTED, OR NOTED IN DRAWINGS AND SPECIFICATIONS.
- 3. THE LOCATION OF THE STAGING AND EQUIPMENT AREAS WILL BE APPROVED BY THE USACE CONTRACTING OFFICER (CO) REPRESENTATIVE AND EPA.
- 4. AN ASBESTOS SURVEY HAS BEEN PERFORMED AT THE SITE (SEE REPORT IN APPENDIX D OF THE DESIGN ANALYSIS REPORT.) IF ASBESTOS IS ENCOUNTERED DURING STABILIZATION, THE CONTRACTOR SHALL COMPLY WITH ASBESTOS ABATEMENT REQUIREMENTS.
- 5. PROVIDE APPROVED ON-SITE PROFESSIONALS EXPERIENCED IN ESTABLISHED PRESERVATION PRINCIPLES AND PRACTICES DURING ALL PHASES OF WORK.
- 6. ALL DEMOLITION AND PRESERVATION EFFORTS WILL BE UNDERTAKEN SO AS TO AVOID ANY DAMAGE TO THE BELGIAN BLOCK PAVING.
- 7. ALL PHYSICAL FEATURES AND UTILITIES NOTED ARE AS VISIBLY SEEN OR MARKED BY UTILITIES ASSOCIATED WITH THE "EXCAVATION PERMIT" PROCESS.

DEMOLITION NOTES:

- SUBMIT DEMOLITION AND DECONSTRUCTION PLAN INDICATING EQUIPMENT AND STEP-BY-STEP PROCEDURE TO BE USED PRIOR TO APPROVAL OF ANY DEMOLITION AND DECONSTRUCTION WORK. DOCUMENT POTENTIAL AND FORESEEABLE PROBLEMS AND UNAVOIDABLE DAMAGE PRIOR TO ANY DEMOLITION AND DECONSTRUCTION WORK. RECEIVE OWNER APPROVAL PRIOR TO COMMENCEMENT OF THIS WORK.
- 2. SEGREGATED DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE TO SPECIFICATIONS. ANY DISPOSED OF ON-SITE TO BE AT THE DIRECTION OF THE CORPS OF ENGINEERS' REPRESENTATIVE AND WITH CONCURRENCE OF EPA.
- 3. COMPLETELY REMOVE UNUSED ELECTRICAL WIRE, CONDUIT, AND UTILITY ITEMS THROUGHOUT INTERIOR AND EXTERIOR. PATCH MOUNTING HOLES WITH PHYSICALLY AND CHEMICALLY COMPATIBLE MATERIAL TO SEAMLESSLY MATCH COLOR, TEXTURE, AND FINISH OF EXISTING. REFER TO ELECTRICAL DRAWINGS, NOTES, AND SPECIFICATIONS FOR ADDITIONAL ELECTRICAL INFORMATION.
- PROVIDE AS BUILT DOCUMENTATION OF COMPLETE ROOF ASSEMBLY PRIOR TO THE REMOVAL OF THE BUILDING 47 ROOF TO ENSURE ALL DETAILS ARE REPLICATED. PROTECT INTERIOR ENVIRONMENT DURING ROOF REMOVAL AND REPLACEMENT.
- 5. LEAD-BASED PAINT SHALL BE REMOVED BY QUALIFIED CONTRACTORS IN ACCORDANCE WITH ALL APPLICABLE LAWS. SEE REPORT IN APPENDIX D OF THE DESIGN ANALYSIS REPORT.

PRESERVATION NOTES:

- PROVIDE AND UTILIZE ONLY PERSONNEL TRAINED IN HISTORIC PRESERVATION WORK. DOCUMENT AND PROVIDE RELEVANT EXPERIENCE OF ALL PERSONNEL FOR APPROVAL.
- 2. DETERIORATED HISTORIC FEATURES SHALL BE REPAIRED RATHER THAN REPLACED. WHERE THE SEVERITY OF DETERIORATION REQUIRES REPLACEMENT OF A DISTINCTIVE FEATURE, THE NEW FEATURE SHALL MATCH THE OLD DESIGN, COLOR, TEXTURE, & MATERIALS. RESTORED OR REPLICATED IN KIND MATERIALS OR COMPONENTS SHALL MATCH EXISTING MATERIALS.
- 3. INSPECT PAINTED WOOD SURFACES ON EXTERIOR AND INTERIOR OF WINDOWS OR DOORS BEING PRESERVED. REMOVE ONLY LOOSELY ADHERED PAINT. REMOVE DETERIORATED PAINT ON SURFACES REQUIRING REPAINTING ONLY TO THE NEXT SOUND LAYER.
- 4. ALL DEMOLITION AND PRESERVATION EFFORTS WILL BE UNDERTAKEN SO AS TO AVOID ANY DAMAGE TO THE BELGIAN BLOCK PAVING.
- 5. PROVIDE SHOP DRAWINGS AND SAMPLES DETAILING ALL PROPOSED MATERIALS, STANDARD OF CRAFTSMANSHIP, AND ANY VARIATIONS FROM EXISTING CONDITIONS. SUBMIT SAMPLE AND COMPATIBILITY ANALYSIS OF ALL PROPOSED MATERIALS. PREPARE AND PAINT EXPOSED SURFACES TO EXACTLY MATCH EXISTING.



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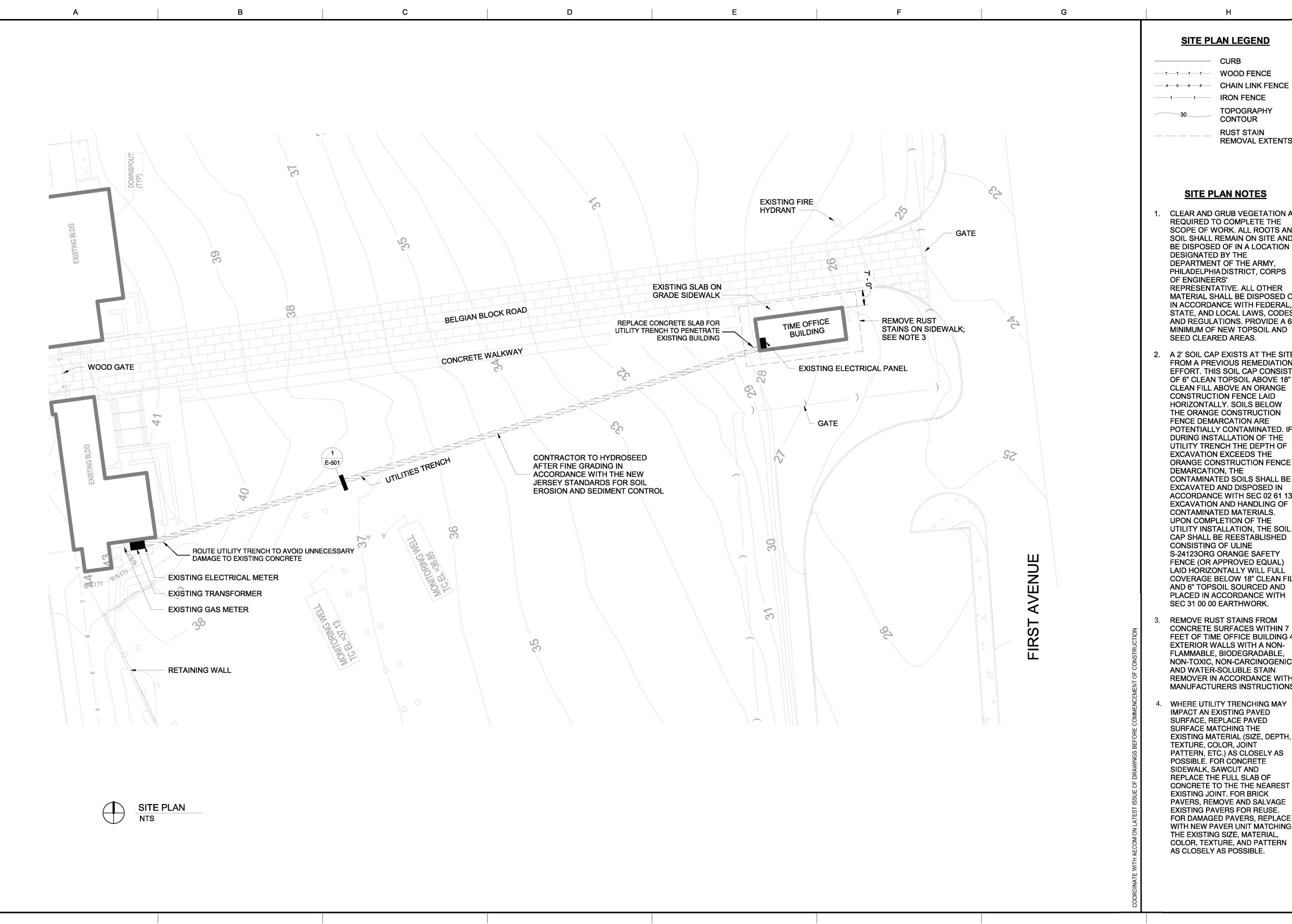
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BLE UNIT 4 - BUILDING 47, THE TIME OFFICE BIND AND GENERAL N



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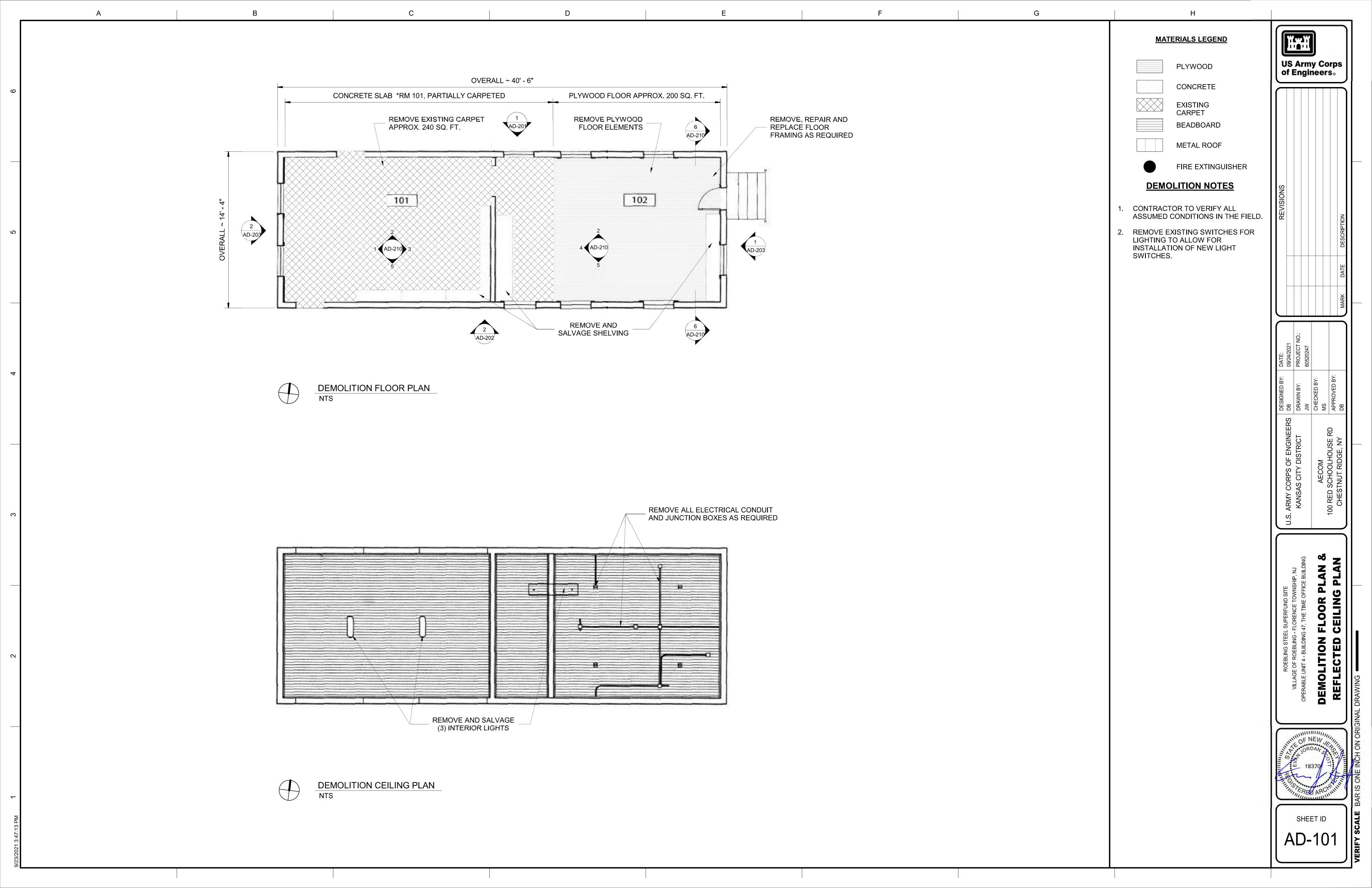
REMOVAL EXTENTS

- CLEAR AND GRUB VEGETATION AS REQUIRED TO COMPLETE THE SCOPE OF WORK. ALL ROOTS AND SOIL SHALL REMAIN ON SITE AND BE DISPOSED OF IN A LOCATION PHILADELPHIA DISTRICT, CORPS REPRESENTATIVE. ALL OTHER MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS. PROVIDE A 6" MINIMUM OF NEW TOPSOIL AND
- 2. A 2' SOIL CAP EXISTS AT THE SITE FROM A PREVIOUS REMEDIATION EFFORT. THIS SOIL CAP CONSISTS OF 6" CLEAN TOPSOIL ABOVE 18" CLEAN FILL ABOVE AN ORANGE HORIZONTALLY. SOILS BELOW THE ORANGE CONSTRUCTION POTENTIALLY CONTAMINATED. IF DURING INSTALLATION OF THE UTILITY TRENCH THE DEPTH OF ORANGE CONSTRUCTION FENCE CONTAMINATED SOILS SHALL BE EXCAVATED AND DISPOSED IN **ACCORDANCE WITH SEC 02 61 13 EXCAVATION AND HANDLING OF** UTILITY INSTALLATION, THE SOIL CAP SHALL BE REESTABLISHED S-24123ORG ORANGE SAFETY FENCE (OR APPROVED EQUAL) LAID HORIZONTALLY WILL FULL **COVERAGE BELOW 18" CLEAN FILL** AND 6" TOPSOIL SOURCED AND PLACED IN ACCORDANCE WITH
- **CONCRETE SURFACES WITHIN 7** FEET OF TIME OFFICE BUILDING 47 EXTERIOR WALLS WITH A NON-FLAMMABLE, BIODEGRADABLE, NON-TOXIC, NON-CARCINOGENIC REMOVER IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- WHERE UTILITY TRENCHING MAY EXISTING MATERIAL (SIZE, DEPTH, PATTERN, ETC.) AS CLOSELY AS CONCRETE TO THE THE NEAREST PAVERS, REMOVE AND SALVAGE FOR DAMAGED PAVERS, REPLACE WITH NEW PAVER UNIT MATCHING COLOR, TEXTURE, AND PATTERN



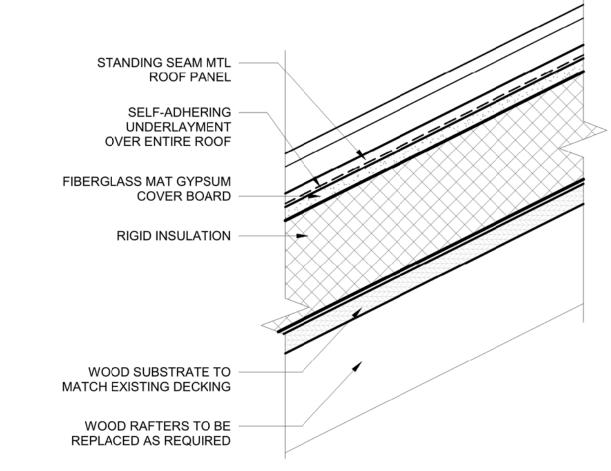


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1 EXTERIOR DEMOLITION - NORTH ELEVATION NTS



2 ROOFING COMPOSITION AD-201 3" = 1'-0"

EXTERIOR DEMOLITION LEGEND**						
CALLOUT	SCOPE					
D01	REMOVE CRACKED, SPALLED, BULGING BRICK FOUNDATION WALL BEYOND REPAIR					
D02	REMOVE DETERIORATED MORTAR JOINTS AS REQUIRED					
D03	REMOVE AND REPLACE WALL STUDS AS REQUIRED					
D04	REMOVE ROOFING, SUBSTRATE, AND POLE GUTTER. PROTECT INTERIOR ENVIRONMENT DURING ROOF REMOVAL AND REPLACEMENT.					
D05	REMOVE FASCIA					
D13	REMOVE AND SALVAGE FLAT FILING CABINET					
D14	REMOVE RUST STAINS ON SIDEWALK WITHIN 7' OF BUILDING FACE					

** ENSURE SHEET G-102 SCOPE IS CORDINATED PRIOR TO SCOPE INDICATED ON THIS SHEET

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SHEET ID

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2 EXTERIOR DEMOLITION - SOUTH ELEVATION
AD-101 NTS

EXTERIOR DEMOLITION LEGEND**		
CALLOUT	SCOPE	
D02	REMOVE DETERIORATED MORTAR JOINTS AS REQUIRED	
D04	REMOVE ROOFING, SUBSTRATE, AND POLE GUTTER. PROTECT INTERIOR ENVIRONMENT DURING ROOF REMOVAL AND REPLACEMENT.	
D05	REMOVE FASCIA	
D06	REMOVE ALL ELECTRICAL AND CONDUIT AS REQUIRED	
D14	REMOVE RUST STAINS ON SIDEWALK WITHIN 7' OF BUILDING FACE	
D16	REMOVE AND SALVAGE BENCHES	
D17	REMOVE AND SALVAGE TIMECARD	

D17 | REMOVE AND SALVAGE TIMECARD

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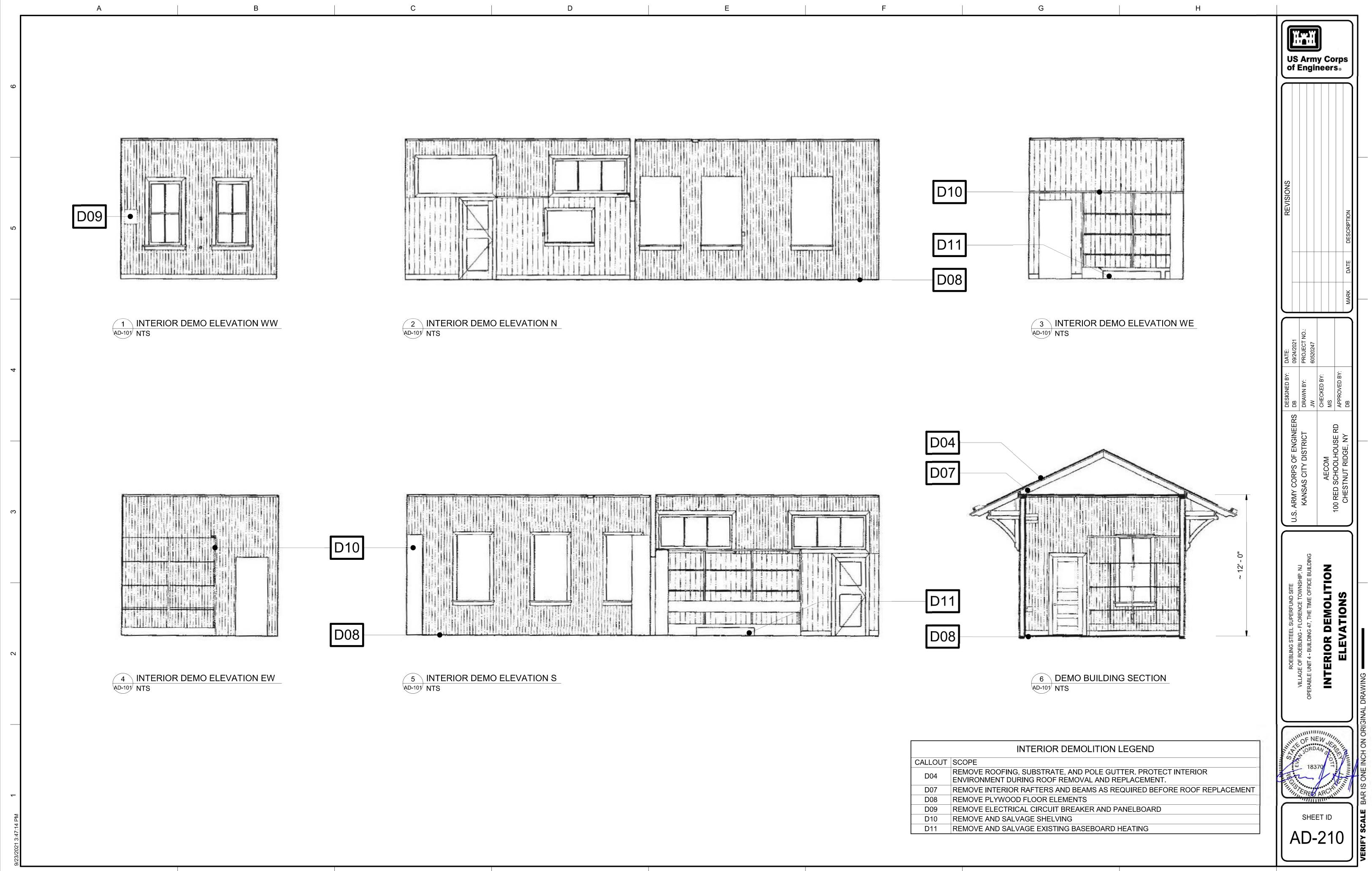
EXTERIOR DEMOLITION LEGEND** CALLOUT SCOPE REMOVE DETERIORATED MORTAR JOINTS AS REQUIRED REMOVE AND REPLACE WALL STUDS AS REQUIRED REMOVE ROOFING, SUBSTRATE, AND POLE GUTTER. PROTECT INTERIOR ENVIRONMENT DURING ROOF REMOVAL AND REPLACEMENT. REMOVE FASCIA REMOVE ALL ELECTRICAL AND CONDUIT AS REQUIRED REMOVE AND SALVAGE FLAT FILING CABINET REMOVE RUST STAINS ON SIDEWALK WITHIN 7' OF BUILDING FACE REMOVE AND SALVAGE SIGNAGE REMOVE AND SALVAGE BENCHES

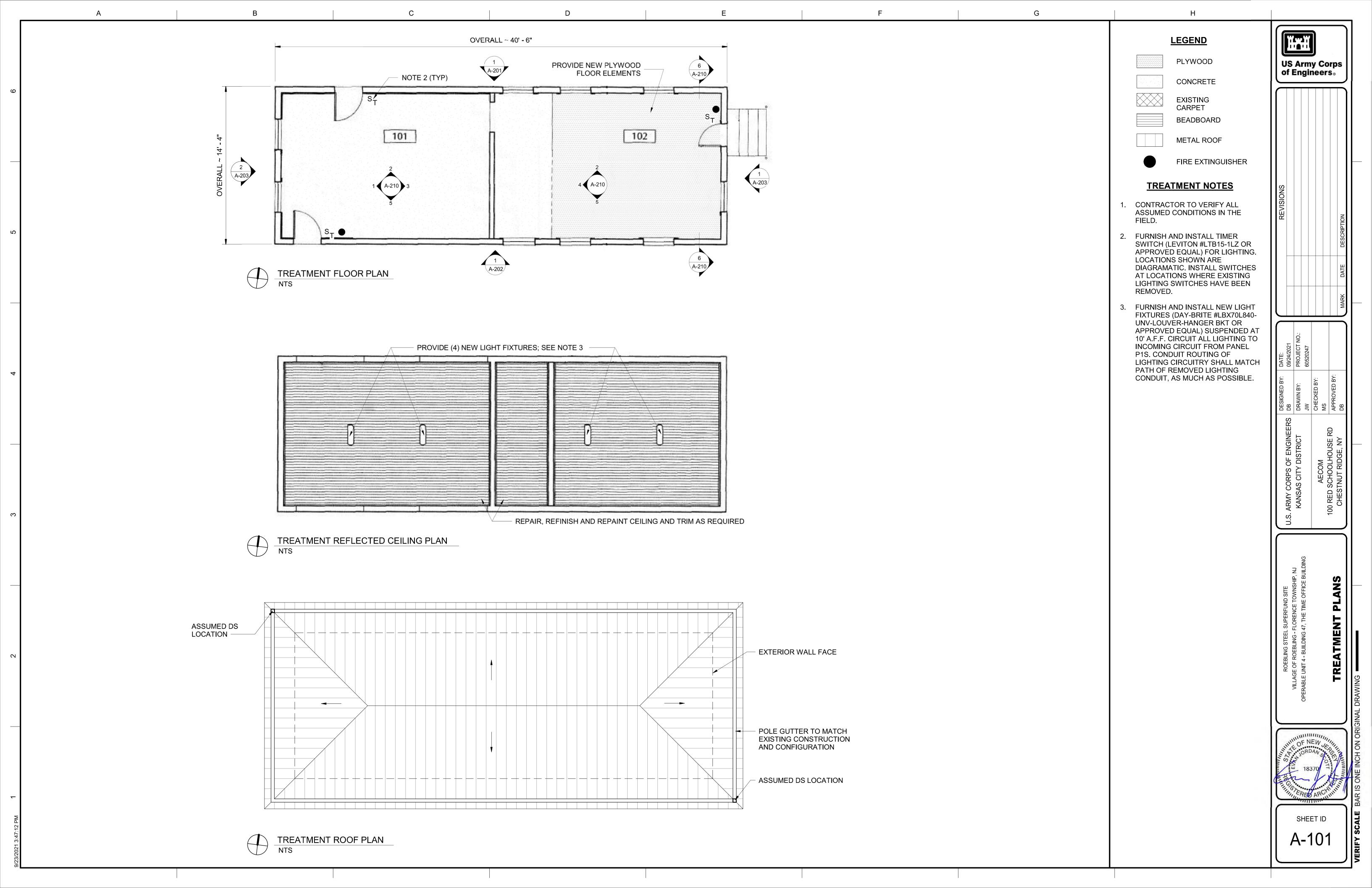
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2 EXTERIOR DEMOLITION - WEST ELEVATION

AD-101 NTS

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1 EXTERIOR ELEVATION - NORTH A-101 NTS

EXTERIOR TREATMENT LEGEND*			
CALLOUT	SCOPE		
01	REPLACE CRACKED, SPALLED, BULGING BRICK FOUNDATION WALL BEYOND REPAIR WITH NEW		
02	PROVIDE NEW MORTAR JOINTS		
03	CLEAN ALL EXTERIOR BRICK		
04	REPAIR AND CLEAN EXTERIOR CONCRETE		
05	PROVIDE NEW WALL STUDS AS REQUIRED		
06	REPAIR AND RESTORE IN KIND ALL EXTERIOR SIDING		
07	PROVIDE NEW ROOFING, SUBSTRATE, AND POLE GUTTER SEE SPECIFICATION 07 61 15.00 20		
08	PROVIDE NEW FASCIA		
09	PROVIDE NEW SEALANT		
10	RESTORE AND REINSTALL SALVAGED WOOD BRACKETS		
11	REPAIR AND RESTORE EXTERNAL BEADBOARD SOFFIT		
12	REPAIR AND RESTORE IN KIND EXTERIOR ROOF RAFTERS AS REQUIRED		
13	PROVIDE NEW DOWNSPOUTS AND SPLASHGUARDS		
14	REPAIR AND RESTORE WINDOWS AND HARDWARE TO OPERABLE CONDITION		
15	REPAIR AND RESTORE DOORS AND HARDWARE TO OPERABLE CONDITION		
16	REFINISH HANDRAILS		
18	PROVIDE NEW UTILITIES TRENCH FROM GATE HOUSE MUSEUM		

^{*} ENSURE AD SHEET SCOPE IS CORDINATED PRIOR TO SCOPE INDICATED ON THIS SHEET



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1 EXTERIOR ELEVATION - SOUTH NTS

EXTERIOR TREATMENT LEGEND*				
CALLOUT	SCOPE			
01	REPLACE CRACKED, SPALLED, BULGING BRICK FOUNDATION WALL BEYOND REPAIR WITH NEW			
02	PROVIDE NEW MORTAR JOINTS			
03	CLEAN ALL EXTERIOR BRICK			
04	REPAIR AND CLEAN EXTERIOR CONCRETE			
06	REPAIR AND RESTORE IN KIND ALL EXTERIOR SIDING			
07	PROVIDE NEW ROOFING, SUBSTRATE, AND POLE GUTTER SEE SPECIFICATION 07 61 15.00 20			
08	PROVIDE NEW FASCIA			
09	PROVIDE NEW SEALANT			
10	RESTORE AND REINSTALL SALVAGED WOOD BRACKETS			
11	REPAIR AND RESTORE EXTERNAL BEADBOARD SOFFIT			
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14	REPAIR AND RESTORE WINDOWS AND HARDWARE TO OPERABLE CONDITION			
15	REPAIR AND RESTORE DOORS AND HARDWARE TO OPERABLE CONDITION			
17	RESTORE AND REINSTALL SALVAGED TIMECARD			
18	PROVIDE NEW UTILITIES TRENCH FROM GATE HOUSE MUSEUM			

* ENSURE AD SHEET SCOPE IS CORDINATED PRIOR TO SCOPE INDICATED ON THIS SHEET

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